

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P525338

Luminaire Tested: **IFLD-M-SA4E-935-U-11**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525338
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-935-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

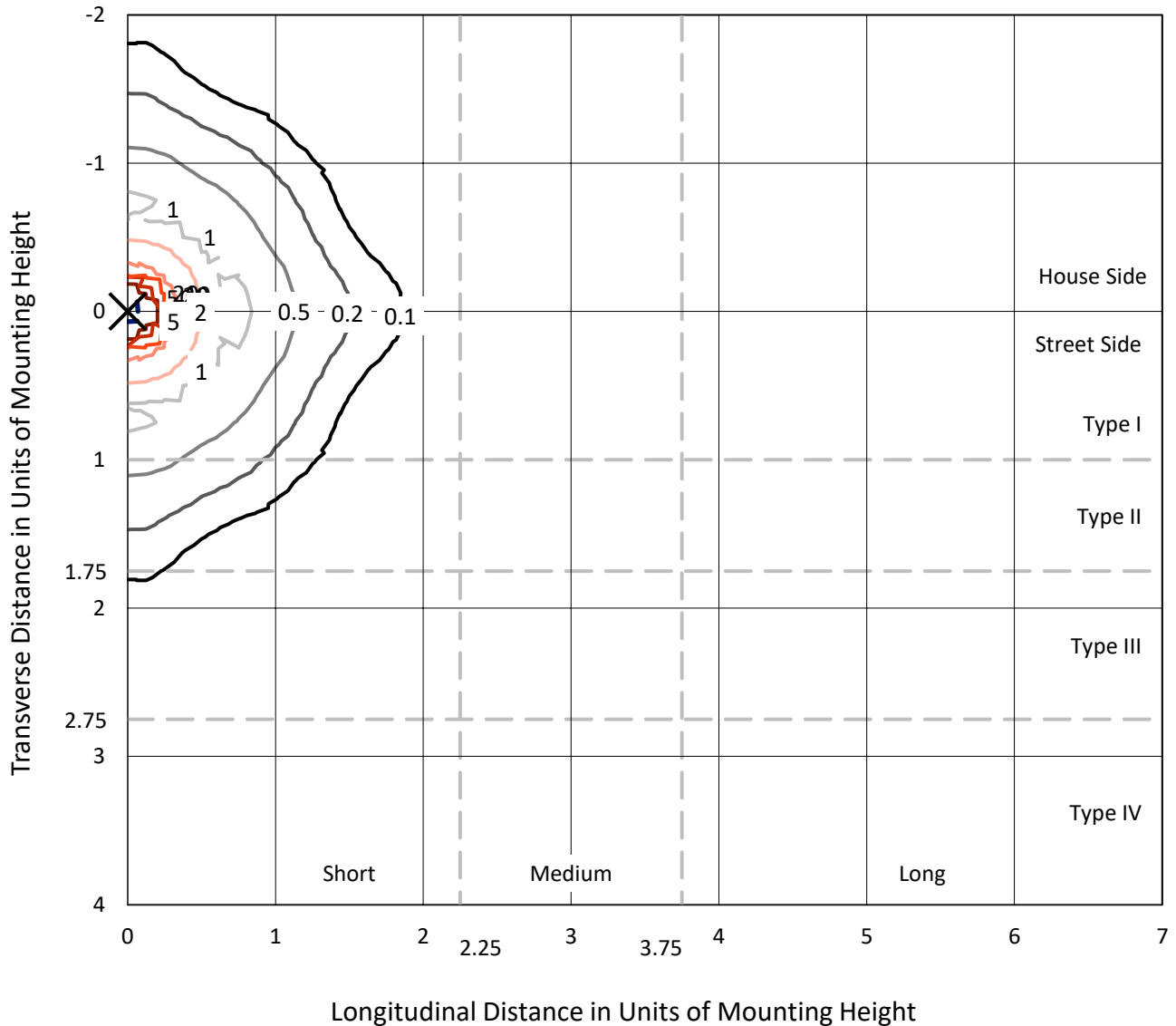
Lumens per Lamp: N/A
Luminaire Lumens: 13872.6 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

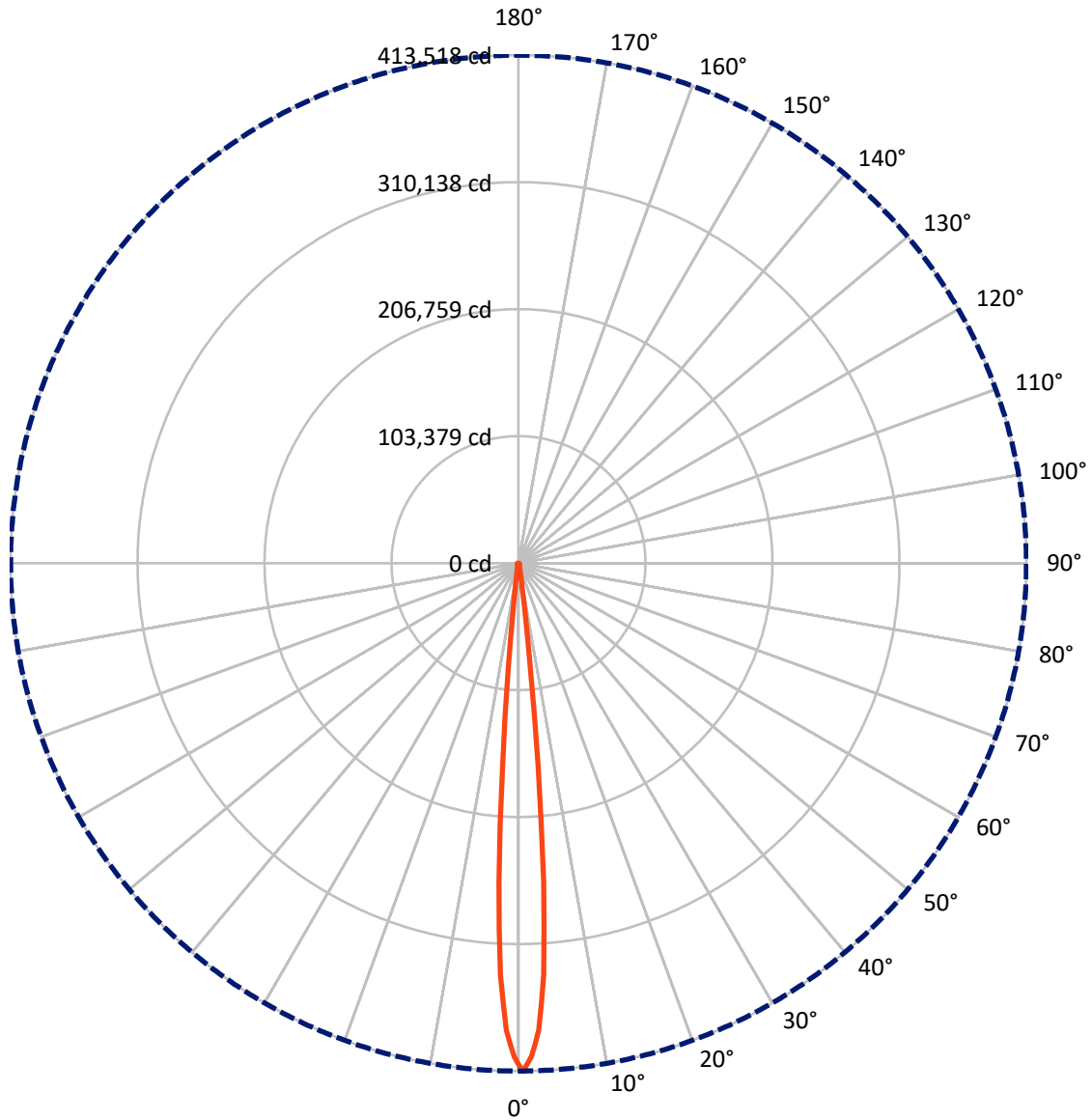
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1033.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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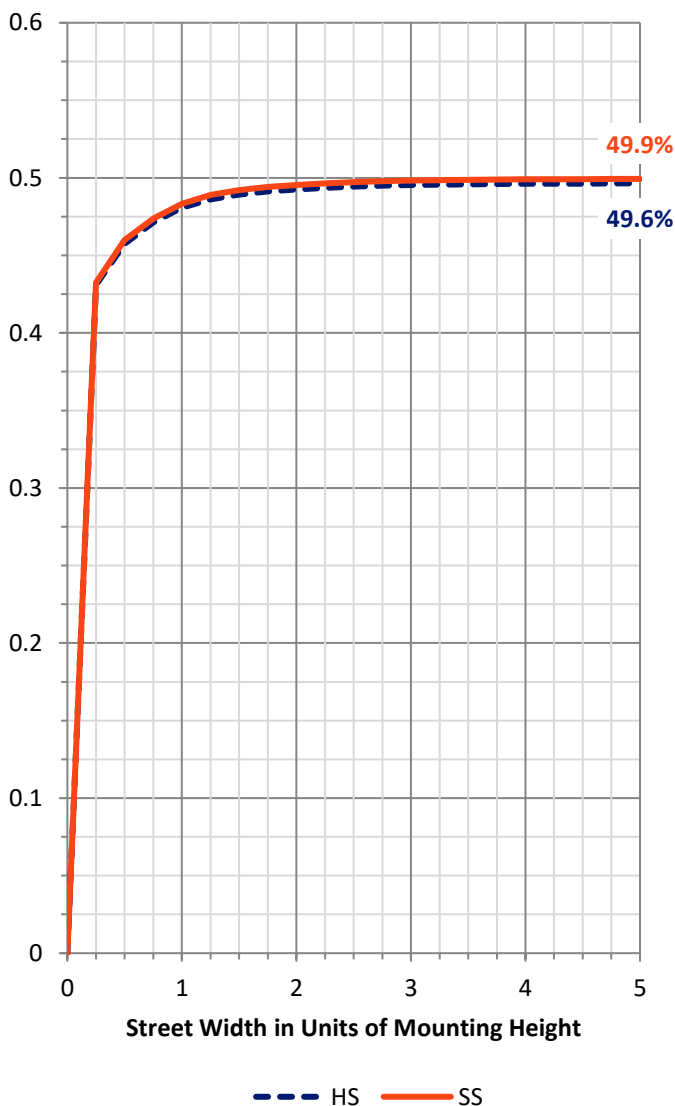
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6936.3	0.0	6936.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6936.3	0.0	6936.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13872.6	0.0	13872.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10654.1	76.8
10°-20°	1039.2	7.5
20°-30°	555.2	4.0
30°-40°	457.9	3.3
40°-50°	509.8	3.7
50°-60°	342.8	2.5
60°-70°	218.8	1.6
70°-80°	86.4	0.6
80°-90°	8.4	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	13872.6	100.0
0°-180°	13872.6	100.0



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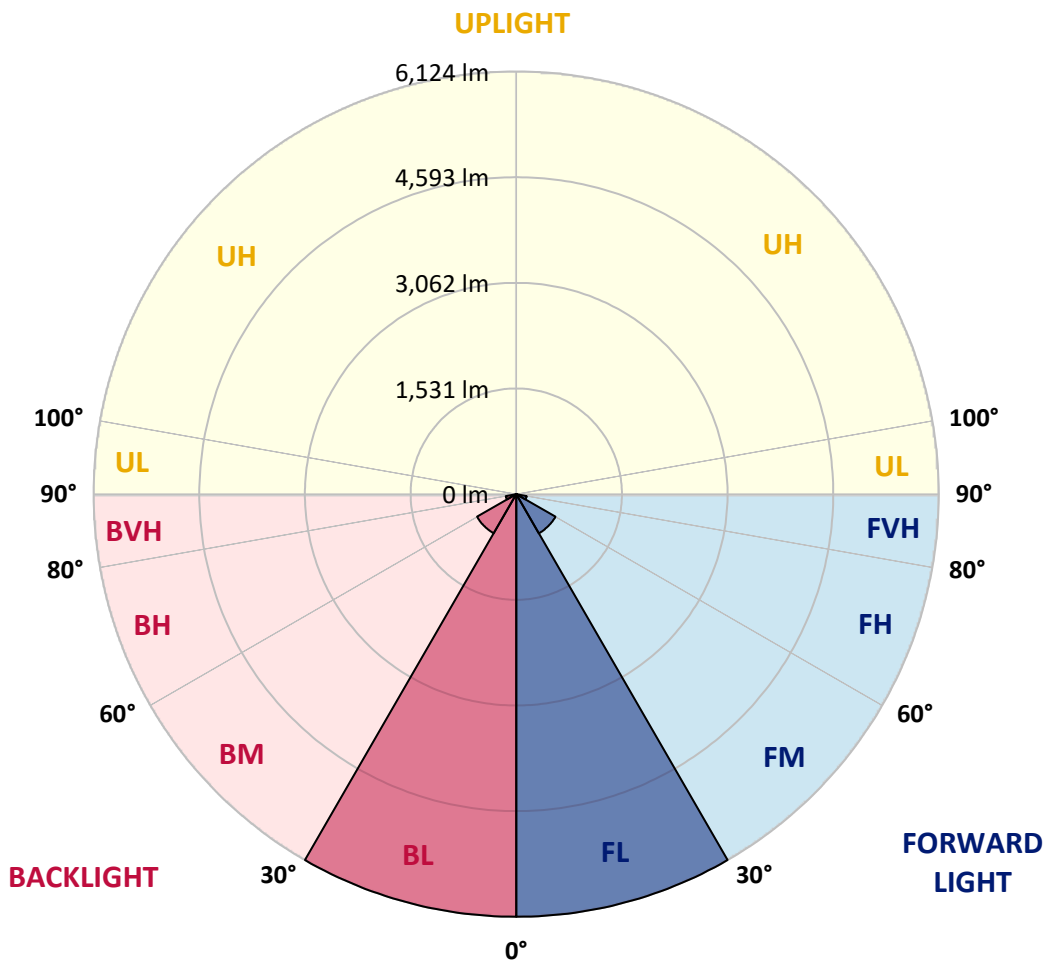
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6124.2	44.1			
FM (30°-60°)	655.3	4.7			
FH (60°-80°)	152.6	1.1			G0/660
FVH (80°-90°)	4.2	0.0			G0/10
BL (0°-30°)	6124.2	44.1	B5		
BM (30°-60°)	655.3	4.7	B1/1000		
BH (60°-80°)	152.6	1.1	B1/500		G0/660
BVH (80°-90°)	4.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	413517.6	413517.6	413517.6	413517.6	413517.6	413517.6	413517.6	413517.6	413517.6	413517.6
1°	402024.8	402723.9	402850.1	402017.6	399894.9	400395.8	400331.0	400442.7	400233.7	398907.4
2°	380257.3	381291.6	380203.2	377867.9	373031.5	371878.2	368025.7	363726.2	359149.3	354561.6
3°	335824.9	338001.7	336448.4	338942.3	329132.5	328141.4	320039.9	309358.0	298531.9	289760.0
4°	260377.5	264399.4	264932.8	273164.1	265105.8	267624.9	258370.1	243529.3	227333.4	214943.2
5°	165970.0	171577.6	174741.8	182461.4	186173.4	195839.0	191330.5	176435.7	157720.7	143467.3
6°	83858.9	86911.4	95413.0	103900.2	113378.4	126204.6	127941.7	114866.8	99971.9	86291.6
7°	39091.4	40352.8	46349.6	48158.8	58995.7	72910.3	74856.4	67688.3	59831.8	49229.1
8°	20199.8	20689.9	22881.1	24225.4	30546.6	38550.8	39916.7	35404.6	32189.9	26856.2
9°	12440.6	12656.9	13478.6	13781.3	16145.4	19706.1	20189.0	18300.6	17428.4	15586.8
10°	8627.7	8743.0	9128.7	9207.9	9997.2	11168.5	11211.7	10591.8	10606.2	10145.0
12.5°	4598.6	4634.6	4742.7	4753.5	4904.9	5027.4	4998.6	5002.2	5063.5	5002.2
15°	2940.8	2958.8	3023.7	3038.1	3117.4	3160.6	3139.0	3135.4	3157.0	3117.4
17.5°	2097.5	2108.3	2155.1	2194.8	2245.2	2259.6	2252.4	2245.2	2245.2	2209.2
20°	1636.2	1650.6	1683.0	1722.7	1747.9	1773.1	1776.7	1773.1	1762.3	1744.3
22.5°	1391.1	1398.3	1409.1	1427.1	1445.2	1456.0	1463.2	1466.8	1463.2	1456.0
25°	1210.9	1218.1	1239.7	1250.5	1250.5	1254.2	1268.6	1275.8	1279.4	1265.0
27.5°	893.8	911.8	944.2	962.2	962.2	969.4	980.3	994.7	1009.1	983.9
30°	691.9	706.4	742.4	742.4	738.8	746.0	756.8	778.4	800.1	771.2
32.5°	623.5	623.5	630.7	634.3	634.3	645.1	652.3	670.3	688.3	681.1
35°	652.3	634.3	612.7	612.7	619.9	641.5	645.1	663.1	681.1	706.4
37.5°	947.8	893.8	814.5	800.1	800.1	825.3	814.5	825.3	857.7	951.4
40°	861.3	818.1	771.2	706.4	706.4	742.4	717.2	731.6	807.3	864.9
42.5°	767.6	767.6	717.2	655.9	655.9	673.9	666.7	673.9	760.4	807.3
45°	710.0	710.0	695.6	598.2	612.7	623.5	623.5	623.5	738.8	753.2
47.5°	677.5	677.5	641.5	551.4	569.4	573.0	580.2	573.0	663.1	713.6
50°	605.5	612.7	551.4	486.5	508.1	508.1	519.0	504.5	573.0	655.9
52.5°	522.6	529.8	436.1	385.6	410.8	407.2	421.7	400.0	454.1	569.4
55°	464.9	461.3	360.4	313.5	342.4	338.8	346.0	320.7	367.6	490.1
57.5°	403.6	410.8	295.5	255.9	288.3	281.1	291.9	263.1	302.7	436.1
60°	356.8	367.6	252.3	216.2	248.7	241.5	252.3	219.8	259.5	392.8
62.5°	342.4	342.4	223.4	183.8	216.2	209.0	216.2	183.8	230.6	360.4
65°	407.2	385.6	201.8	151.4	183.8	176.6	183.8	151.4	201.8	346.0
67.5°	540.6	515.4	191.0	118.9	147.8	136.9	147.8	122.5	176.6	324.4
70°	281.1	299.1	191.0	93.7	111.7	111.7	108.1	93.7	147.8	237.9
72.5°	162.2	165.8	147.8	72.1	86.5	93.7	82.9	72.1	108.1	176.6
75°	90.1	100.9	93.7	54.1	64.9	72.1	61.3	54.1	75.7	126.1
77.5°	54.1	61.3	54.1	36.0	43.2	39.6	43.2	36.0	50.5	82.9
80°	28.8	28.8	28.8	21.6	21.6	25.2	25.2	21.6	28.8	43.2
82.5°	10.8	10.8	10.8	7.2	10.8	10.8	10.8	14.4	14.4	18.0
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
413517.6
400215.6
357203.2
293086.4
217815.5
145294.4
87315.1
50512.1
27580.6
15986.9
10357.6
5070.7
3146.2
2220.0
1747.9
1459.6
1265.0
980.3
764.0
681.1
720.8
998.3
919.0
810.9
749.6
702.8
648.7
555.0
482.9
425.3
382.0
356.8
346.0
320.7
234.3
173.0
111.7
61.3
36.0
18.0
3.6
3.6
0.0

OF REPORT)